

Product Name: KD-Validated CTDSP2 Mouse Monoclonal Antibody**Catalog #: KVA00579**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 30.7kDa

Antigen Information

Gene Name	CTDSP2 CTDSP2; CTD Small Phosphatase 2; SCP2; OS4; Nuclear LIM Interactor-Interacting Factor 2; NLI-Interacting Factor 2; Small CTD Phosphatase 2; PSR2; CTD (Carboxy-Terminal Domain, RNA Polymerase II, Polypeptide A) Small Phosphatase 2; Carboxy-Terminal Domain RNA Polymerase II Polypeptide A Small Phosphatase 2; Conserved Gene Amplified In Osteosarcoma; Small C-Terminal Domain Phosphatase 2; Protein OS-4; EC 3.1.3.16; NIF
Alternative Names	
Gene ID	10106.0
SwissProt ID	O14595
Immunogen	Recombinant protein of human CTDSP2

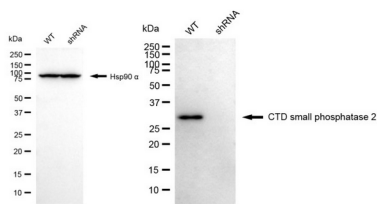
Background

Enables RNA polymerase II CTD heptapeptide repeat phosphatase activity. Involved in protein dephosphorylation. Predicted to be located in nucleoplasm. Predicted to be part of TIM23 mitochondrial import inner membrane translocase complex. [provided by Alliance of Genome Resources, Jul 2025]

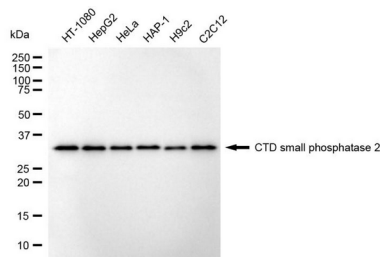
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cancer

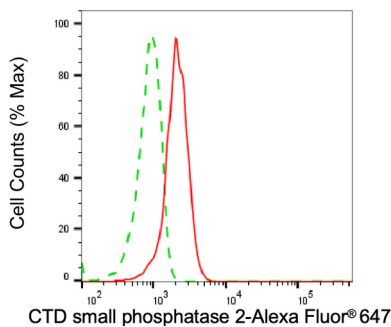
Image Data



Western blotting analysis using CTD small phosphatase 2 antibody (KVA00579). CTD small phosphatase 2 expression in wild type (WT) and CTD small phosphatase 2 (CTDSP2) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CTD small phosphatase 2 antibody (KVA00579, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using CTD small phosphatase 2 antibody (KVA00579). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CTD small phosphatase 2 antibody (KVA00579, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of CTD small phosphatase 2 expression in HepG2 cells using CTD small phosphatase 2 antibody (KVA00579, 1:2,000). Green, isotype control; red, CTD small phosphatase 2.